

**Amendments to the Claims**

This listing of the claims will replace all prior versions and listings of the claims in the application.

**Listing of Claims**

1. (Currently amended) Beta titanium alloy containing (in mass %):

V: [[10]] 13 to 17%,

Fe: 2 to 5%,

Al: 2 to 5%,

Mo: 0.1 to 3%,

and optionally one or more alloy elements from the group of Sn, Si, Cr, Nb, Zr according to the following proportions:

Sn: 0.1 to 3%,

Si: 0.1 [[≤]] to 2%

Cr: ≤ 2%,

Nb: ≤ 2%,

Zr: ≤ 2%

wherein the beta titanium alloy may additionally comprise contents of C and of elements from the group of the lanthanides,

and as the remainder Ti and inevitable impurities.

2. (Currently amended) Beta titanium alloy containing (in mass %) :

V: [[10.00]] 13.00 to 17.00%,

Fe: 2.00 to 5.00%,  
Al: 2.00 to 5.00%,  
Mo: 0.10 to 3.00%,

and optionally one or more alloy elements from the group of Sn, Si, Cr, Nb, Zr according to the following proportions:

Sn: 0.10 to 3.00%,  
Si: 0.10 to 2.00%,  
Cr:  $\leq 2.00\%$ ,  
Nb:  $\leq 2.00\%$ ,  
Zr:  $\leq 2.00\%$ ,

and as the remainder Ti and inevitable impurities.

3. (Canceled).
4. (Currently amended) Beta titanium alloy according to claim 1 or 2 ~~any one of the preceding claims~~, containing 0.5 to 3 mass % Mo.
5. (Currently amended) Beta titanium alloy according to claim 1 or 2 ~~any one of the preceding claims~~, containing 0.5 to 3 mass % Sn.
6. (Currently amended) Beta titanium alloy according to claim 1 or 2 ~~any one of the preceding claims, characterised in that~~ wherein at ambient temperature it has a yield point  $R_{p0.2}$  of at least 1,400 MPa.
7. (Currently amended) Beta titanium alloy according to claim 1 or 2 ~~any one of the preceding claims, characterised in that~~ wherein at ambient temperature it has a tensile strength  $R_m$  of at least 1,500 MPa.

8. (Currently amended) Beta titanium alloy according to claim 1 or 2 ~~any one of the preceding claims, characterised in that~~ wherein at ambient temperature it has a plastic strain  $\epsilon_{p0.2}$  of more than 4%.

9. (Currently amended) Beta titanium alloy according to claim 1 or 2 ~~any one of the preceding claims, characterised in that~~ wherein its density  $\rho$  does not exceed 4.8 g/cm<sup>3</sup>.

10. (Currently amended) Method for manufacturing a product produced from a beta titanium alloy, comprising the following steps:

melting a beta titanium melt having the composition according to claim 1 or 2 ~~any one of claims 1 to 9~~ to form a preliminary product in block form,

hot-forming the preliminary product,

hot end forming the hot-formed preliminary product to form a hot end product,

solution annealing the hot end product,

cold-forming the hot end product to form an end product,

curing treatment of the end product.

11. (Currently amended) Method according to claim 10, ~~characterised in that~~ wherein the hot end forming process is carried out as a hot-rolling process.

12. (Currently amended) Method according to claim 11, ~~characterised in that~~ wherein the hot-rolling process is followed by a coiling process.

13. (Currently amended) Method according to claim 10 ~~claims 10 to 12, characterised in that~~ wherein the alloy elements V, Fe and Al are added by alloying in the form of a master alloy.

14. (Currently amended) Method according to claim 10 ~~any one of claims 10 to 13,~~  
~~characterised in that wherein~~ the preliminary products are rounded blocks, which are hot-  
formed during the hot-forming process to form billets or mill bars.

15. (Currently amended) Method according to claim 10 ~~any one of claims 10 to 14,~~  
~~characterised in that wherein~~ the hot end product is a wire or a metal sheet.

16. (Currently amended) Method according to claim 11 ~~any one of claims 11 to 15,~~  
~~characterised in that wherein~~ the hot end product is solution annealed after the coiling  
process.

17. (Currently amended) Method according to claim 16, ~~characterised in that wherein~~  
the solution annealed hot end product is cold-formed.

18. (Currently amended) Semi-finished product produced from a beta titanium alloy  
having the composition according to claim 1 or 2 ~~any one of claims 1 to 9.~~

19-22. (Canceled).